

Project Name:	Department of Energy BMIS-FM
Project Number:	BMIS-FM Phase I
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Project Glossary

Project Glossary¹: The project glossary is a living document that helps establish a common understanding of the project language, i.e. the specific terms and definitions that the project team will use on this project, or in general. This provides a basic reference for the project, and a common understanding of terms and definitions.

Term	Definition
ACWP	Actual cost of work performed; used in earned value analysis to identify the actual cost (resource rate * duration) of work successfully completed.
Administration Server	The server from which the system administrator runs programs that maintain and update an Oracle Applications database. For example, AutoUpgrade and AutoPatch are both run on this machine to install, upgrade, or update the database, which resides on the database server.
AFP	Approved Funding Program
Applet	A Java program that is downloaded to a desktop client from an HTTP server, and run within a Java-enabled web browser.
Application Servers	A Java program that is downloaded to a desktop client from an HTTP server, and run within a Java-enabled web browser.
ASAP	Automated Standard Application for Payment
Assumptions	In project management terms, factors which are considered, for planning purposes, to be real, true, or certain
ATM	Asynchronous Transfer Mode
BAC	Budget at completion.
Background Process	A non-interactive process that runs in an operating system environment and performs a task.
Bandwidth	The amount of data that can be sent through a network connection, measured in bits per second (bps). The speed and capacity of a network depend on both bandwidth and latency.
BARC	Budget and Reporting Classification System
BCWP	Budgeted cost of work performed; referred to as earned value, this is the actual value of the work performed, and when compared against the actual cost (ACWP) and budgeted cost (BCWS), yields values referred to as 'cost variances' and 'schedule variances' respectively.
BCWS	Budgeted cost of work scheduled; the planned expenditure for a set of work activities scheduled to occur in a given time frame.
BMIS-FM	Business Management Information System-Financial Management
BSC Account	Balance Sheet Code Account
CBT	Computer Based Training

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Certificate File	Contains the identity of a "trusted source" that the desktop client uses to guarantee the authenticity of a JAR file. Information contained within the certificate file allows the desktop client to decrypt the digital signature of a JAR file. If the identity can be confirmed, the desktop client assumes the JAR file is safe to download and execute.
CFO	Chief Financial Officer (DOE)
CFO ACT	Chief Financial Officers Act of 1990
CFS	Core Financial System
CHRIS	Corporate Human Resource Information System
Cluster	DOE Service Center (e.g. Oak Ridge) and related satellite offices
CMIP	Corporate Management Information Program
COBOL/HP	Hewlett Packard's version of COBOL
Concurrent Manager	A process manager that coordinates the processes generated by users' requests to run various data-intensive programs. An Oracle Applications product group can have several concurrent managers.
Concurrent Process	A task run by a concurrent manager. A concurrent process runs simultaneously with interactive functions and other concurrent processes.
Concurrent Processing Server	An Oracle Applications server that runs time-consuming, non-interactive tasks in the background.
Concurrent Queue	A list of concurrent requests awaiting completion. Each concurrent manager has it's own queue of pending requests.
Configure	Populating database tables with DOE specific alphanumeric sequences or activating/deactivating a software switch (i.e. radio button or checkbox) to make certain aspects of the software function.
Constraint	In project management terms, a factor which limits the project teams options.
COR	Contracting Officer's Representative
Cost Variance	See CV.
COTS	Commercial Off the Shelf (software)
CPI	Cost Performance Index – The cumulative CPI (the sum of all BCWPs divided by all ACWPs) is used to forecast project cost at completion. Formula: $CPI = BCWP / ACWP$

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CPU	Central Processing Unit
Customize	Changing the COTS software code.
CV	Cost Variance – The actual monetary variance at any point would be the difference between the planned expenditure curve and the actual expenditure curve. Formula: $CV = BCWP - ACWP$
CV %	Cost Variance Percentage – The percentage variance calculated as follows: Formula: $CV / ACWP$
Data Dictionary	A set of database tables and views that contains administrative information about users, data storage, and privileges. It is created and maintained automatically.
Database	A collection of data, stored in tables, and objects, such as stored procedures and triggers. The term can also refer to the software used to create, store, and manage this data—for example, the Oracle8i server.
Database Administrator or DBA	The person who prepares the Oracle8i server and Oracle tools for an installation or upgrade of Oracle Applications, and performs maintenance on them after the installation. The DBA has access to the ORACLE SYSTEM and SYS accounts.
Database Instance	A running ORACLE system. There is always a one-to-one correspondence between an ORACLE instance and a system global area (SGA).
Database Object	A logical entity created and stored in a database. Tables, views, synonyms, indexes, sequences, stored procedures, materialized views, and triggers are all examples of database objects.
Database Server	A machine on which the database holding Oracle Applications data resides. The Database server processes SQL and Java requests from other machines, such as Forms servers, HTTP servers, and concurrent processing servers.
Dependent Product	An Applications product that is not licensed, but whose files are shared in part by a fully installed Applications product. A dependent product is also known as a <i>shared product</i> .
Desktop Client	A computer that sends user requests to the forms server and handles responses such as screen updates, pop-up lists, graphical widgets, and cursor movements.
DIAP	DOE Information Architecture Program

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Digital Signature	A means of guaranteeing the authenticity of a program or collection of data, such as a JAR file. It is typically an encrypted message that contains the identity of the code's author.
DISCAS	Departmental Integrated Standardized Core Accounting System
DOC	Department of Commerce
DOE	Department of Energy
DOEnet	The Department of Energy wide area network.
EAC	Estimate At Completion – Forecast of total project costs based on project performance. Formula: EAC = BAC / CPI
Earned Value	See EV.
Environment Setting	A parameter that controls the behavior of Applications and Applications programs for your installation. Environment settings are stored as environment variables on UNIX servers.
Environment Variable	A variable maintained by the UNIX shell that can be referenced by any program running within the shell. Environment variables hold values used by many Oracle programs and utilities.
EPA	Environmental Protection Agency
ERP	Enterprise Resource Planning (software); a closely integrated suite of software applications, usually built on a common database architecture.
EV	Earned Value – The earned value, or 'budgeted cost of work performed' (BCWP) compares the amount and cost of work planned with what was actually accomplished.
FDW	Financial Data Warehouse
FERC	Federal Energy Regulatory Commission
FFIA	Federal Financial Improvement Act
FFP	Firm, Fixed Price
FIPS	Federal Information Processing Standard
Form	A logical collection of fields, regions, and graphical components that appears on a single screen. Oracle Applications forms resemble paper forms used to run a business. End-users enter data by typing information into the form.

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Forms Client	A Java applet that runs on a desktop client and provides the user interface and interaction with a forms server.
Forms Server	A type of application server that hosts the forms server engine. It mediates between the desktop client and the database, providing input screens for the Forms-based products on the desktop client and creating or changing database records based on user actions.
GAO	General Accounting Office
Gigabyte	A unit of memory or disk space equal to 1,073,741,824 bytes. One Gigabyte is equal to 1,024 Megabytes. Often rounded to 1,000,000,000 bytes.
GMRA	Government Management Reform Act
GOCO	Government Owned, Contractor Operated
GOGO	Government Owned, Government Operated
GPRA	Government Performance and Results Act
GSA	General Services Administration
HTTP (Hypertext Transfer Protocol)	The TCP/IP-based network protocol used to transmit requests and documents between an HTTP server and a web browser.
HTTP Listener	A program on an HTTP server that accepts and processes incoming HTTP requests from web browsers.
HTTP Server	An application server that runs an HTTP listener, and sends out web pages in response to HTTP requests from remote browsers. See <i>HTTP listener</i> , <i>web browser</i> .
IFB	Invitation for Bid – Equivalent to request for proposal. However, in some areas it may have a more definitive meaning.
Index	A database object associated with a table and used by the Oracle ⁸ⁱ server to locate rows of that table quickly.
Integration vs Interface	The key distinction is whether or not the data has to be converted to a new format or moved to be used by other modules in the system. The Government uses the term integrated to mean the data does not have to move or be converted in order to be used. For example, all the modules of the CFS should be integrated. In contrast, the feeder systems to BMIS FM will be interfaced using a standard format and data elements.
Internal Concurrent Manager	A concurrent manager process that monitors, controls, and dispenses requests to all other concurrent manager processes.

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Internet Computing Architecture	A computing model in which various functions are distributed among three tiers of servers: the desktop clients issuing user requests, the database servers providing the database and database processing, and a middle tier that mediates connections between the two.
Intranet	A network of computers that are internal to a company. A company's intranet is basically a local extension to the globally-distributed Internet, which is a global inter-connected network of computers and smaller computer networks.
ISDN	Integrated Services Digital Network
IT	Information Technology
JAVA	A computing language used, among other things, to produce programs that can be downloaded and run on a desktop client using a web browser. It is also used to produce platform-independent programs that run on a server, either interactively or when invoked through a request from a web browser.
JAVA Archive File (JAR)	A collection of Java classes compressed into a files for faster download to a desktop client.
JFMIP	Joint Financial Management Improvement Program
Kbps	Kilobits Per Second
LAN	Local Area Network
Latency	In networking, the amount of time it takes a packet of data to travel from a source to its destination. The speed and capacity of a network depend on both bandwidth and latency.
List of Values (LOV)	Within the Oracle Applications, certain fields may be configured with a pre-validated list of data items called a 'list of values' or LOV.
Load Balancing	Distributing tasks to the server that is least busy when several servers are handling the same workload. Using load balancing, the HTTP server connects the Forms client to the Forms server that has the lightest load. This server is called the "least loaded host."
M & I	Managing and Integrating contractor
MARS	Management Analysis Reporting System; a DOE legacy system which will be replaced during the BMIS-FM project.
MARS DB	MARS database

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Mbps	Megabits Per Second
MCTLDB	MARS Control Database
M & O	Managing and Operating contractor
Modular	A phased approach or strategy such as in procurement or deployment
Module	Software programs or sub-systems within a larger application; for example, Accounts Payable module within Oracle Federal Financials
MS	Microsoft Corporation provides network and desktop operating systems, desktop software applications, and software development tools.
Multiple Organization Architecture (Multi-Org)	A single installation of any Oracle Applications product to support any number of organizations or different sets of books. The data contained in product schemas is for all organizations, and is partitioned by the ORG_ID column in tables.
MVS	Multiple Virtual Storage (IBM Operating System)
MVS/TSO	MVS Time Sharing Option
NASA	National Aeronautics and Space Administration
Net8	The Oracle product that enables network connectivity between a client machine and the Oracle8i server. Net8 manages communication sessions between these machines by opening and closing sessions and by packaging and sending SQL statements and data responses.
NNSA	National Nuclear Security Administration
NRC	Nuclear Regulatory Commission
ODC	Other Direct Charges
OMB	Office of Management and Budget
OPM	Office of Personnel Management
ORACLE	Oracle Corporation developed the first commercial relational database, and provides commercial ERP software and consulting.
ORACLE_SID	An environment setting that identifies an ORACLE instance running on the current machine.
PADS	Procurement and Assistance Data System; a DOE legacy system which will interface with the new BMIS-FM Oracle Applications.

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Parallel Concurrent Processing	In a UNIX environment, distribution of concurrent processes among multiple concurrent processing servers.
PDF	Standard format – Portable Document Format (Adobe)
PL/SQL	A procedural extension of SQL that provides programming constructs such as blocks, conditionals, and functions.
PM	Project Manager
PMBOK	Project Management Body of Knowledge – Is a sum of knowledge within the profession of project management.
PMI	Project Management Institute – The governing body of the PMBOK.
Primary Set of Books	A financial reporting entity in which you conduct business.
Product Lifecycle	Expected life of a product in the market place
PVC	Permanent Virtual Circuit
Query	In Oracle terms, a logical request to read, add, update or delete data from a relational table, developed using a language called Structured Query Language or SQL
RAID	Redundant Array of Independent Disks
Recast	Recast is the process of replacing the value in a cell of a table with another value. For transactional data, it normally requires preparing automated reversing transactions for transactions containing the old value and creating new ones with the new value. For reference tables, it usually means closing an old value and opening the replacement value. Recasts can replace values one for one, one for many, or many for one. Many for one recasts require percentage or fixed dollar allocations between the new values.
Remote Procedure Call (RPC)	A protocol that allows a client to execute a program on a server. The client sends a message to the server with appropriate arguments and the server returns a message containing the program's results.
Report Review Agent	A tool used by Oracle Applications to view concurrent processing files online.
Responsibility	A collection of functions within an Oracle Application. Each Applications user is assigned one or more responsibilities to allow them access to Applications forms.
REXX	Restructured Extended Executor IBM programming language

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RFP	Request for Proposal – A type of bid document used to solicit proposals from prospective sellers of products or services.
RFQ	Request for Quotation – Generally this term is equivalent to request for proposal, however, in some application areas it may have a more definitive meaning.
Rollback Segment	A set of entries used to undo changes in the database in the event of transaction rollback, crash, or media recovery.
Satellite	Doe field office supported by a service center
Schema	An ORACLE account or ORACLE ID.
Server	Software that provides resources, such as files and processing, to desktop clients. Server processes may communicate with other servers to gather the data or complete the processing, but ultimately the information is returned to a desktop client.
Service Center	Oak Ridge, Albuquerque, or CAPS Center
Servlet	A Java program executed on an HTTP server, rather than downloaded to a desktop client.
Setup Data	Company-specific configuration data, such as locations, freight terms, and payment terms. You create this data when initially configuring an OA product.
SGL	Standard General Ledger (U.S. Government)
SIFMS	Single Integrated Financial Management System
SOW	Statement of Work – A narrative description of products or services to be supplied under contract.
SPI	Schedule Performance Index – The ratio of work performed to work scheduled. Formula: $SPI = BCWP / BCWS$
Structured Query Language (SQL)	A standardized language to manipulate database objects within a relational database system. Manipulation is accomplished through data definition (DDL) or data manipulation (DML).
SV	Schedule Variance – The difference between the scheduled completion of an activity and the actual completion of that activity. Formula: $SV = BCWP - BCWS$
SV %	Schedule Variance Percentage – The percentage variance calculated as follows: Formula: $SV / BCWS$
System Administrator	The person who manages administrative tasks in Oracle Applications, such as registering new users and defining system printers, using the system administrator responsibility.

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System Global Area (SGA)	A reserved section of main memory that provides communication between all database users and the ORACLE background processes.
Systems Log	The Government distinguishes between the term systems log and security log. The systems log acts like a journal to record all transactions. The security log refers typically to recording of system access attempts. The Government requires both functions in the proposed solution.
Table	The basic unit of storage in a relational database management system. A table represents entities and relationships, and consists of one or more units of information (rows), each of which contains the same kinds of values (columns).
Tablespace	A logical portion of an ORACLE database used to allocate storage for data and to group related logical structures. For example, one tablespace may contain all of one Oracle Applications product's database tables and indexes.
TCP/IP	Transmission Control Protocol/Internet Protocol
TCPI	<p>Total Cost Performance Index – The TCPI is used to determine what cost performance factor will be needed to complete all remaining work according to some financial goal as set by management. This measurement is the direct opposite of the cumulative CPI.</p> <p>Formula: work remaining / funds remaining</p> <p>The work remaining is defined as the total budget minus earned value. The funds remaining would be either 1) the budget at completion (BAC); 2) the estimate at completion (EAC); or 3) a ceiling, less actual costs. This formula provides a valuable measurement for senior management.</p>
Tier	A set of machines that perform similar tasks. Client/server is a two-tier architecture, with machines on the client tier connecting to machines on the server tier. Internet Computing Architecture consists of three tiers. In Release 11/i, machines on the desktop client tier communicate with machines on the application tier, which in turn, communicate with each other and with machines on the database tier.
Username	A name that grants access to a secure environment or program, such as an ORACLE database or Oracle Applications. A username is customarily associated with a collection of privileges and data available to a particular user (<i>responsibilities</i> in Oracle Applications). Every username is associated with a password.
Value user	The Government uses the term 'value user' to refer to managers, supervisors and other staff that typically use the system infrequently in read only mode and download or access a standard report.
WAN	Wide Area Network

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WBS	Work Breakdown Structure – A deliverable-oriented grouping of project elements that organizes and defines the total scope of the project. Each descending level represents an increasingly detailed definition of a project component. Project components may be products or services.
Web Browser	A program running on a desktop client that views documents formatted in HTML and runs Java applets. A web browser sends requests to an HTTP server using a special protocol (<i>HTTP</i>) to retrieve documents and Java applets.
XML	Extensible markup language (successor to HTML)

ⁱ Terms and definitions were derived from a number of sources including PMI's "A Guide to the Project Management Body of Knowledge™", the Department of Energy's Statement of Work, and the "Oracle Application Concepts Glossary of Terms".